

Indiana Utility Regulatory Commission



**Commissioner Judy
Ripley**

**The Distributed Energy Road
Show**

Indiana Policy Update

April 29, 2003



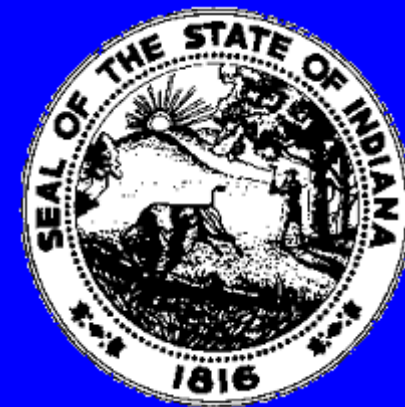
Utilities Regulated by IURC

- Electric
- Gas
- Telecommunications
- Water
- Sewer



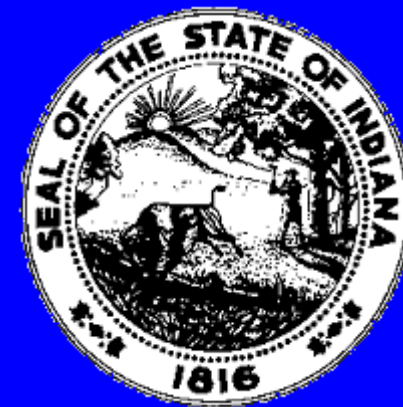
IURC Authority

- Information Collection
- Monitoring and Enforcement
- License Issuance
- I. Certificate of Territorial Authority
- II. Certificate of Need
- Full Tariff Authority
- Rule making Authority

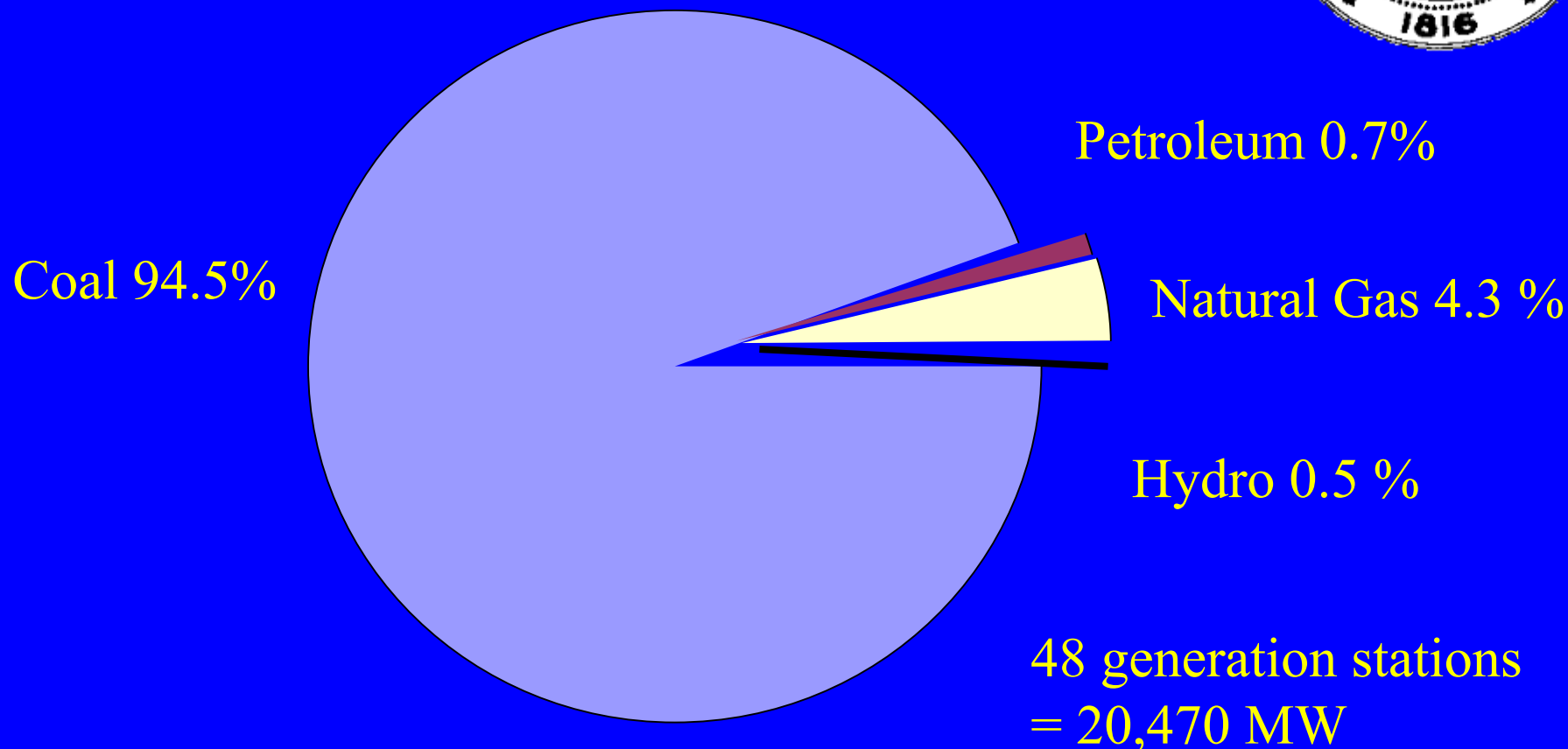


Electric Utilities

- 5 Investor owned
- 79 Municipals, 25 under IURC jurisdiction
- 43 Rural Electrical Member Cooperatives, 4 under IURC jurisdiction
- 9 Independent Power Producers



Generation by Fuel Type In Indiana



Distributed Generation



- Physically close to the load
- Diversified fuel mix
- Interconnection for supplemental and backup power
- Dispersed across the network
- More and more attractive
 - Technology developing
 - Costs decreasing
 - Need for high quality power

DG Ownership and Regulatory Approval

- Utility owned
 - Certificate of Need
- Customer owned
 - Residential, Schools - Net Metering
 - Industrial, Commercial – Cogeneration & Small Power Producer Tariffs, Special Contracts
- Merchant owned
 - Commission Approval



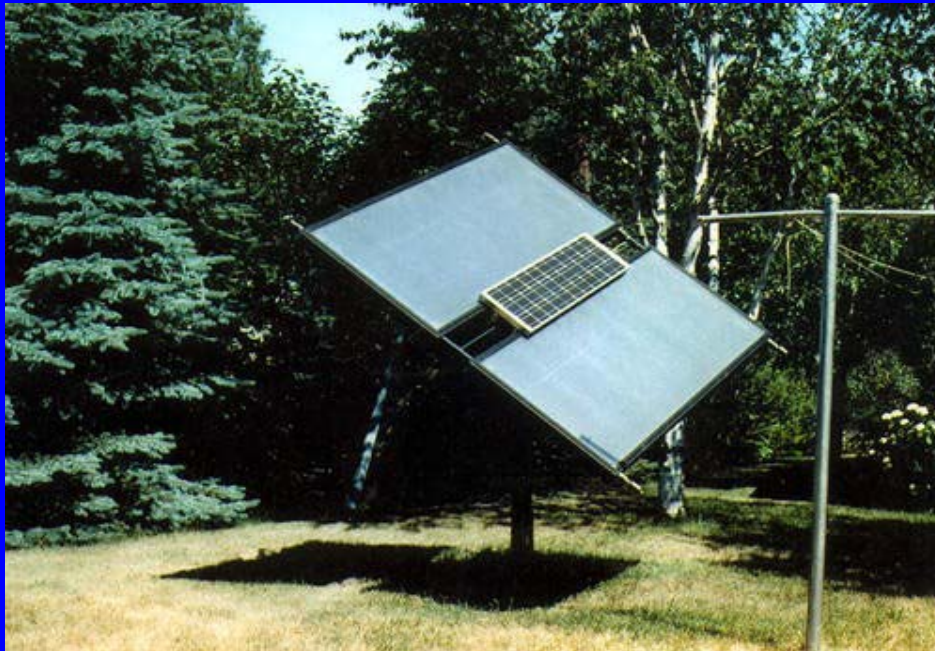
Utility DG Example

Wabash Valley Power Authority

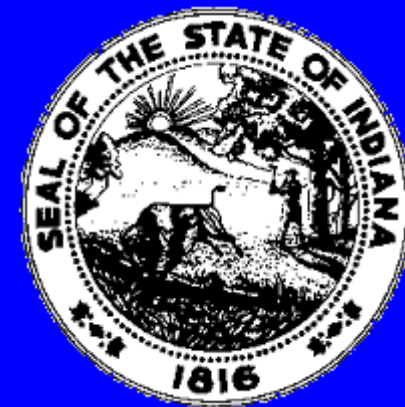


- Landfill gas-fired engine-generator units
- 3.2 MW planned at each landfill site
 - 4 x 800 kW engine-generators
- 3 separate landfill sites issued Certificates of Need by the Commission
- Marketable as “Green Power”

Net metering



- Solar panels, wind and hydro
- Intend for own use
- Smaller than 10 kW



Issues to be addressed

- Interconnection Standards – NARUC model
- Siting and Permitting – Studies by Utilities
- Net Metering - Costs
- Stranded Costs
- Standby Rates
- Buy-Back Rates



Barriers to Entry

- Costs
- Technology
- Balanced Economic benefits
- Environmental rules
- Site restrictions

Fuel Cell Animation



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